

Product datasheet for **RC204049L3V**

Transaldolase 1 (TALDO1) (NM_006755) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Transaldolase 1 (TALDO1) (NM_006755) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Transaldolase 1
Synonyms:	TAL; TAL-H; TALDOR; TALH
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_006755
ORF Size:	1011 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC204049).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_006755.1
RefSeq Size:	1319 bp
RefSeq ORF:	1014 bp
Locus ID:	6888
UniProt ID:	P37837
Cytogenetics:	11p15.5
Domains:	Transaldolase
Protein Families:	Druggable Genome



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Protein Pathways: Metabolic pathways, Pentose phosphate pathway

MW: 37.5 kDa

Gene Summary: Transaldolase 1 is a key enzyme of the nonoxidative pentose phosphate pathway providing ribose-5-phosphate for nucleic acid synthesis and NADPH for lipid biosynthesis. This pathway can also maintain glutathione at a reduced state and thus protect sulfhydryl groups and cellular integrity from oxygen radicals. The functional gene of transaldolase 1 is located on chromosome 11 and a pseudogene is identified on chromosome 1 but there are conflicting map locations. The second and third exon of this gene were developed by insertion of a retrotransposable element. This gene is thought to be involved in multiple sclerosis. [provided by RefSeq, Jul 2008]